

Amendments to the Specification:

Please replace the paragraph beginning on page 11, line 12 with the following paragraph.

“In accordance with a further aspect of the present invention, there is provided an electromagnetic actuator including a ringlike core member having an annular groove and a first tapering surface inclined a first angle with respect to the axis of the ringlike core member; an annular exciting coil accommodated in the annular groove of the ringlike core member; a ringlike armature member arranged radially outside of the ringlike core member, the ringlike armature member having a second tapering surface complementary in shape to the first tapering surface, the second tapering surface being opposed to the first tapering surface; and restricting means for restricting ~~axial~~ radial movement of ~~the ringlike core member and~~ the ringlike armature member.”

Please replace the paragraph beginning on page 12, line 8 with the following paragraph.

“In accordance with a still further aspect of the present invention, there is provided an electromagnetic actuator including a ringlike core member having an annular groove and a first tapering surface inclined a first angle with respect to the axis of the ringlike core member; an annular exciting coil accommodated in the annular groove of the ringlike core member; a ringlike armature member arranged radially inside of the ringlike core member, the ringlike armature member having a second tapering surface complementary in shape to the first tapering surface, the second tapering surface being opposed to the first tapering surface; and restricting means for restricting ~~axial~~ radial movement of ~~the ringlike core member and~~ the ringlike armature member.

Please replace the paragraph beginning on page 26, line 8 with the following paragraph.

“Referring next to FIG. 12, there is shown a schematic configuration of an electromagnetic brake 120A' according to a second preferred embodiment of the present invention. The same parts as those of the first preferred embodiment are denoted by the same reference numerals in FIG. 12. The electromagnetic brake 120A' includes a ringlike core

member 122 having an annular groove 124. An exciting coil 96 is accommodated in the annular groove 124. The core member 122 has a first tapering surface ~~120a~~ 122a inclined a first angle with respect to the axis of the core member 122 and a second tapering surface 122b inclined a second angle with respect to the axis of the core member 122. Preferably, the first angle of the first tapering surface 122a and the second angle of the second tapering surface 122b are equal to each other.